

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 00/04032

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07H19/10 C07H19/20 C07H21/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 88 02004 A (APPLIED BIOSYSTEMS) 24 March 1988 (1988-03-24) claims 1-82; examples I,IV,V ---	1,3-7,10
A	WO 93 12132 A (CENTRE NAT RECH SCIENT) 24 June 1993 (1993-06-24) page 11, line 26 -page 12, line 10 annex 2, compound 17 ---	1
X	---	2,3,5,6
X	EP 0 006 220 A (HOECHST AG) 9 January 1980 (1980-01-09) page 7 -page 8; examples 1-8 ---	10
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "a" document member of the same patent family

Date of the actual completion of the international search

27 April 2000

Date of mailing of the international search report

11/05/2000

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Scott, J

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/04032

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CHEMICAL ABSTRACTS, vol. 83, no. 23, 1975 Columbus, Ohio, US; abstract no. 193184h, L.I.MIZRAKH ET AL.: "3-Acyl-1,3,2-oxaphospholanes and Phosphorinanes. Synthesis and Certain Properties." page 454; column 1; XP002136548 abstract & ZH. OBSCH. KHIM., vol. 45, no. 7, 1974, page 1469-73	10,11
X	CHEMICAL ABSTRACTS, vol. 81, no. 11, 1974 Columbus, Ohio, US; abstract no. 63723f, M.A.PUDOVIK ET AL.: "Synthesis of N-Acylated 1,3,2-Oxaazaphospholanes." page 484; column 1; XP002136549 abstract & ZH. OBSHCH. KHIM., vol. 44, no. 5, 1974, pages 1020-1024,	10,11
X	CHEMICAL ABSTRACTS, vol. 79, no. 11, 1973 Columbus, Ohio, US; abstract no. 66261y, M.A.PUDOVIK ET AL.: "N-Acylated Oxazaphospholanes and Phosphorinanes." page 441; column 1; XP002136550 abstract & ZH. OBSHCH. KHIM., vol. 43, no. 3, 1973, page 679	10,11

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/04032

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 8802004 A	24-03-1988	EP 0261283 A JP 6102670 B JP 1500748 T	30-03-1988 14-12-1994 16-03-1989
WO 9312132 A	24-06-1993	FR 2685331 A	25-06-1993
EP 0006220 A	09-01-1980	DE 2826622 A CA 1117964 A DE 2960657 D JP 55002679 A US 4263231 A	03-01-1980 09-02-1982 12-11-1981 10-01-1980 21-04-1981